

#101B  
RECEIVED  
JUL 16 2003  
CH CENTER 1600/290

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Gennady MERKULOV et al. Art Unit: 1646

Serial No.: 09/768,781

Examiner: N. Basi

Filed: January 25, 2001

Atty. Docket: CL001057CIP

For: ISOLATED HUMAN TRANSPORTER PROTEINS,  
NUCLEIC ACID MOLECULES ENCODING HUMAN  
TRANSPORTER PROTEINS, AND USES THEREOF

**Statement Regarding Duty to Disclose Information Material To Patentability Under  
37 CFR 1.56 (a) and (b)**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Applicants hereby notify the US Patent and Trademark Office of the documents listed on the attached PTO Form SB/08A, which may be deemed relevant to the patentability of the claims of the above application. One copy of each of the listed documents is submitted herewith. The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application.


The undersigned states that each item listed on the attached PTO Form SB/08A was first cited in a communication from a Foreign Patent Office in the above application's foreign counterpart or not known to the Undersigned for more than three months prior to the filing of this Information Disclosure Statement.

No fee is due for this IDS Submission. However, the Office is authorized to charge any other necessary fees related to the processing of this application to Deposit Account No. 50-0970.

Respectfully submitted,  
CELERA GENOMICS

Date: July 15, 2003

Celera Genomics Corporation  
45 West Gude Drive, C2-4#21  
Rockville, MD 20850  
Tel: 240-453-3628  
Fax: 240-453-3084

By:   
Lin Sun-Hoffman, Ph.D., Reg No. 47,983

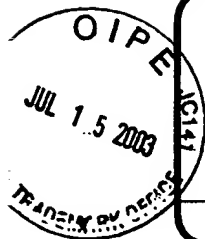
Attachment of 15

PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.



Substitute for form 1449A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 2

## Complete if Known

Application Number	09/768,781
Filing Date	January 25, 2001
First Named Inventor	Gennady MERKULOV et al.
Art Unit	1646
Examiner Name	N. BASI
Attorney Docket Number	CL001057CIP

## U.S. PATENT DOCUMENTS

Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Document Number Number - Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

RECEIVED

JUL 16 2003

TECH CENTER 1600/2900

## FOREIGN PATENT DOCUMENTS

Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		WO 01 55343 A	08/02/2001	Human Genome Sciences...		
		WO 01 90304 A	11/29/2001	Human Genome Sciences...		

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 2 of 2

**Complete if Known**

Application Number	09/768,781
Filing Date	January 25, 2001
First Named Inventor	Gennady MERKULOV et al.
Group Art Unit	1646
Examiner Name	N. BASI
Attorney Docket Number	CL001057CIP

**OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS**

Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
		Database FASTA 'Online! Database accession No. Z73417. XP002235483.	
		Database BLASTP 'Online! Database accession No. P51811. XP002235485.	
		Database FASTA 'Online! Database accession No. Q9QXY7. XP002235486.	
		Ho Mengfatt et al. "Isolation of the Gene for McLeod Syndrome that Encodes a Novel Membrane Transport Protein." Cell. Vol. 77, No. 6, 1994, Pages 869-880. XP001146547.	
		Collec Emmanuel et al. "Structure and Expression of the Mouse Homologue of the XK Gene." Immunogenetics. Vol. 50, No. 1-2, October 1999. Pages 16-21. XP002235481.	
		Lee S et al. "The Kell Blood Group System: Kell and XK Membrane Proteins." Seminars in Hematology. United States APR 2000. Vol. 37, No. 2, April 2000. Pages 113-121. XP009008315.	
		International Search report dated April 24, 2003.	

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



RECEIVED  
JUL 16 2003  
TECH CENTER 1600/2900